

Dear Teachers,

Welcome to *Rising Tides*, a collection of current research articles for high school and introductory college courses, complete with related activities. The activities were created to complement science courses—specifically biology, and marine and environmental sciences—but can be easily tied to chemistry and physics, and contain a strong mathematical and engineering component. They are also very applicable to cross-curriculum or interdisciplinary lessons. Important skills, such as critical thinking and data analysis, can be enhanced through these articles and activities.

How can you use *Rising Tides* with your classes? Here are some suggestions: students can write reviews of articles, use the information to fuel class debates, or use them as pre-lab activities for oceanography-related field trips.

Use *Rising Tides* to complement and reinforce lessons involving scientific research and inquiry, identifying organisms, microscope skills, scientific notation, classification, binomial nomenclature, interactions between organisms and environment, phytoplankton, marine science, photosynthesis, cellular respiration, global warming, and ecosystems.

Rising Tides can also support student understanding of important topics such as the properties of water, carbon cycle, water cycle, food chains/webs, abiotic and biotic factors, diversity, succession, trophic levels, niche, and how natural—as well as man-made—factors affect environments and populations.

NASA and its collaborators need your feedback. Please take a few moments to complete and return the survey located in the back of this journal. In addition, I strongly encourage you to have your students complete the student version of the survey, which is also included. This information is very important to us and will help improve future editions of the journal. Information on where to return the surveys is provided below.

We hope you enjoy this premier issue of *Rising Tides* and look forward to hearing from you!

Cordially,

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Please mail the completed forms to:

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